

10

**PRODUCTION OF CATALYST CARRIER**

Patent Number: JP63218254  
Publication date: 1988-09-12  
Inventor(s): MURAKI HIDEAKI; others: 06  
Applicant(s):: TOYOTA CENTRAL RES & DEV LAB INC; others: 01  
Requested Patent: JP63218254  
Application Number: JP19870051150 19870305  
Priority Number(s):  
IPC Classification: B01J37/02 ; B01J23/56  
EC Classification:  
Equivalents:

---

**Abstract**

---

**PURPOSE:** To obtain the titled carrier having excellent durability, by mixing with a stabilized alumina powder contg. a rare earth metal or an alkaline earth metal, a water soluble aluminium salt and/or an acid, a water soluble rare earth metal salt and water, followed by sticking the obtd. slurry on the surface of the catalyst carrier substrate, drying and calcining it.

**CONSTITUTION:** The stabilized alumina powder contg. the rare earth metal or one or more kinds of the alkaline earth metal, the water soluble aluminium salt (for example, aluminium nitrate) and/or the acid, the water soluble rare earth metal salt (for example, lanthanum chloride) and water are mixed with stirring to form the slurry. Said slurry is stuck on the surface of the catalyst carrier substrate, dried and calcined, thereby forming a stabilized alumina layer on the surface of said catalyst carrier substrate. As the result, as the elusion of the rare earth metal or the alkaline earth metal from the stabilized alumina is prevented, and the stability of the titled carrier at a high temperature is increased, the titled carrier which is useful for the clarification of an exhaust gas and has the excellent durability is obtd.

---

Data supplied from the esp@cenet database - 12